UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

October 1960

Part II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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Biological Laboratory
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San Diego 6, California

* Part I - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

TOPOGRAPHIC CHART NO. 2

Topographic Chart No. 2 which shows the character of the ocean floor in the area between 29° to 35° N. latitude and 120° to 130° W. longitude was printed in October. This chart may be obtained from an Inter-American Tropical Tuna Commission representative or by writing directly to our San Diego address.

SUSPENSION OF 15-DAY SUPPLEMENTS UNTIL APRIL 1961

The July 1960 issue of this publication indicated that issuance of the 15-day sea-surface temperature chart (supplements I and II) which covers the region of the albacore fishery would be suspended at the close of the albacore season. The October 15-31, 1960 chart is the last of the 15-day series to be published this year. Issuance of 15-day charts will be resumed in April 1961. In the meantime, we will welcome suggestions as to how we might improve the series to make it more useful to albacore fishermen next year.

SEA-SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN OCTOBER 1960

Acknowledgements

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U. S. Navy Branch Hydrographic Offices, Honolulu, Hawaii; Seattle, Washington; San Francisco and Wilmington, California
U. S. Coast Guard, Port Hueneme Light Station, Port Hueneme, California
U. S. Bureau of Commercial Fisheries, Biological Laboratories, Honolulu, Hawaii; La Jolla, California; Seattle, Washington
U. S. Bureau of Commercial Fisheries, Exploratory Fishing and Gear Research Base, Seattle, Washington

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Humboldt State College by George Allen
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Kelco Company, San Diego, California
Newport Beach Life Guard Service, Balboa, California
Oregon State College by Bruce Wyatt
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Scripps Institution of Oceanography, La Jolla, California, by Margaret Robinson and Hans Klein
Ships Frances Salman, Trolleggen and Avila

Charts

Figure 1.--Mean sea-surface temperatures (°F) derived from approximately 8000 observations. Squares show temperature at weather-ship stations. Numerals on shore are temperatures at coastal and light stations.

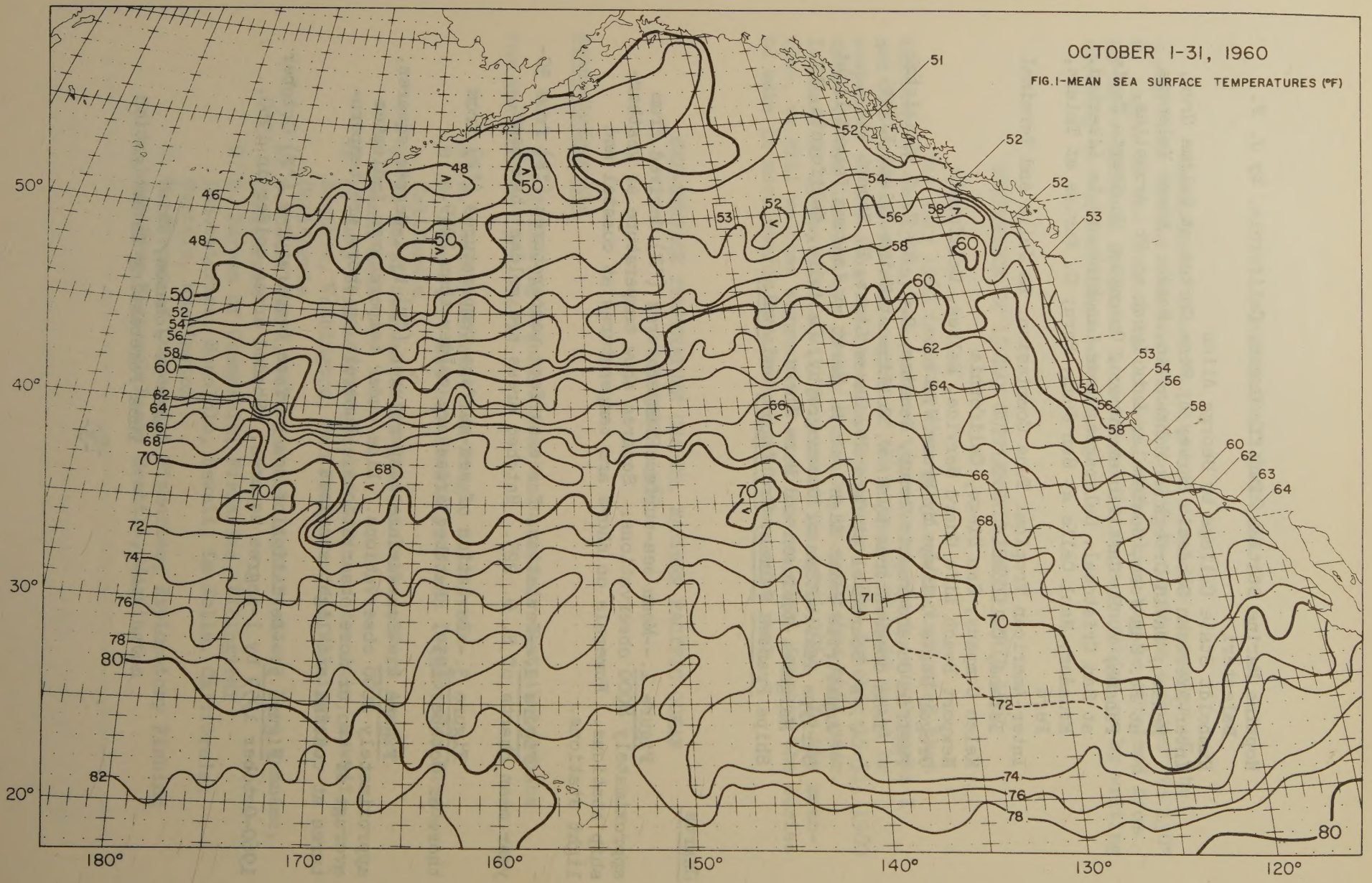
Figure 2.--Deviation of sea-surface temperatures (°F) from 30-year mean charts of H. O. 225. Hatched areas are colder than mean.

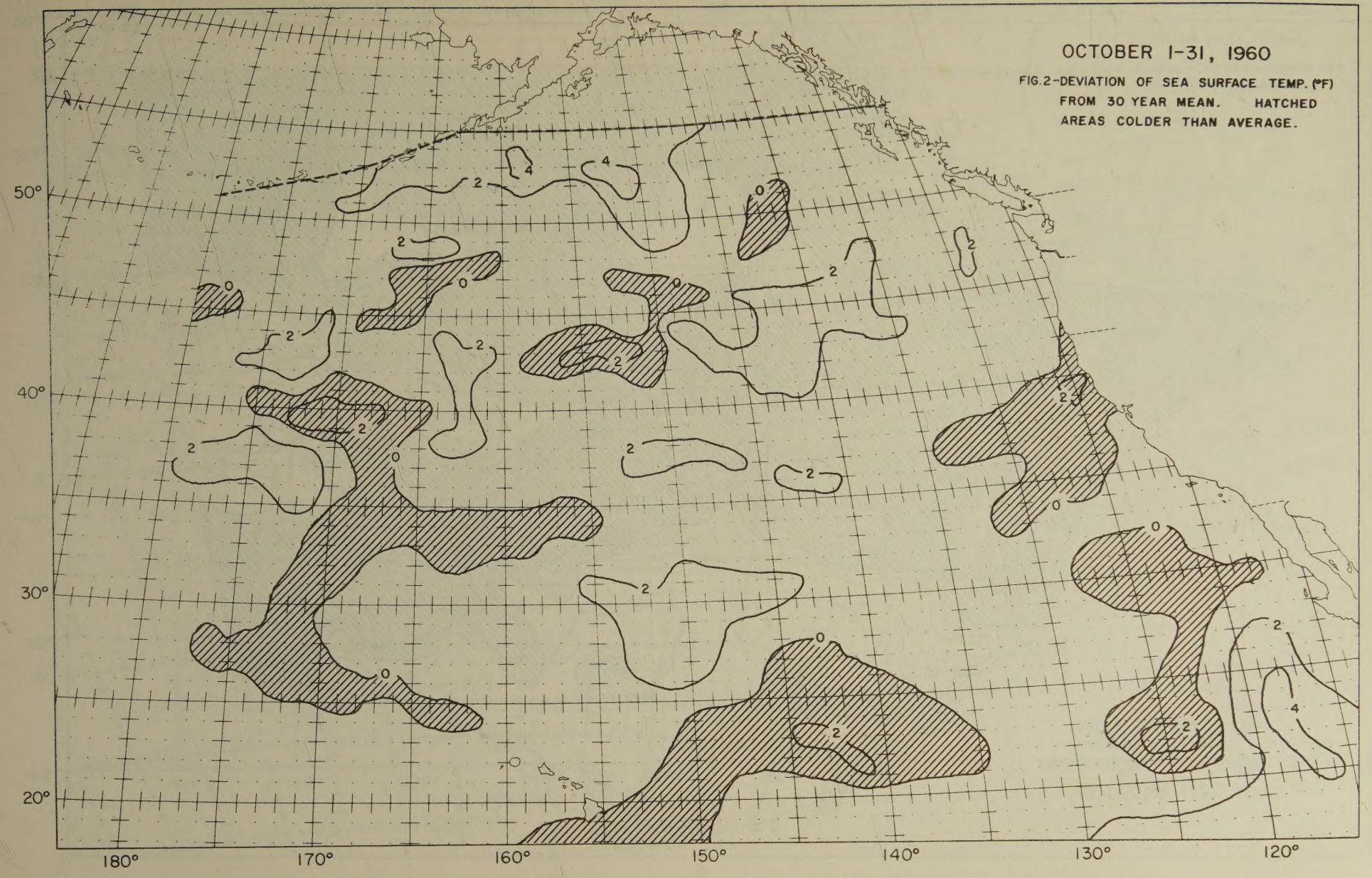
Figure 3.--Deviation of sea-surface temperatures (°F) from those of October 1959. Hatched areas are colder than 1959.

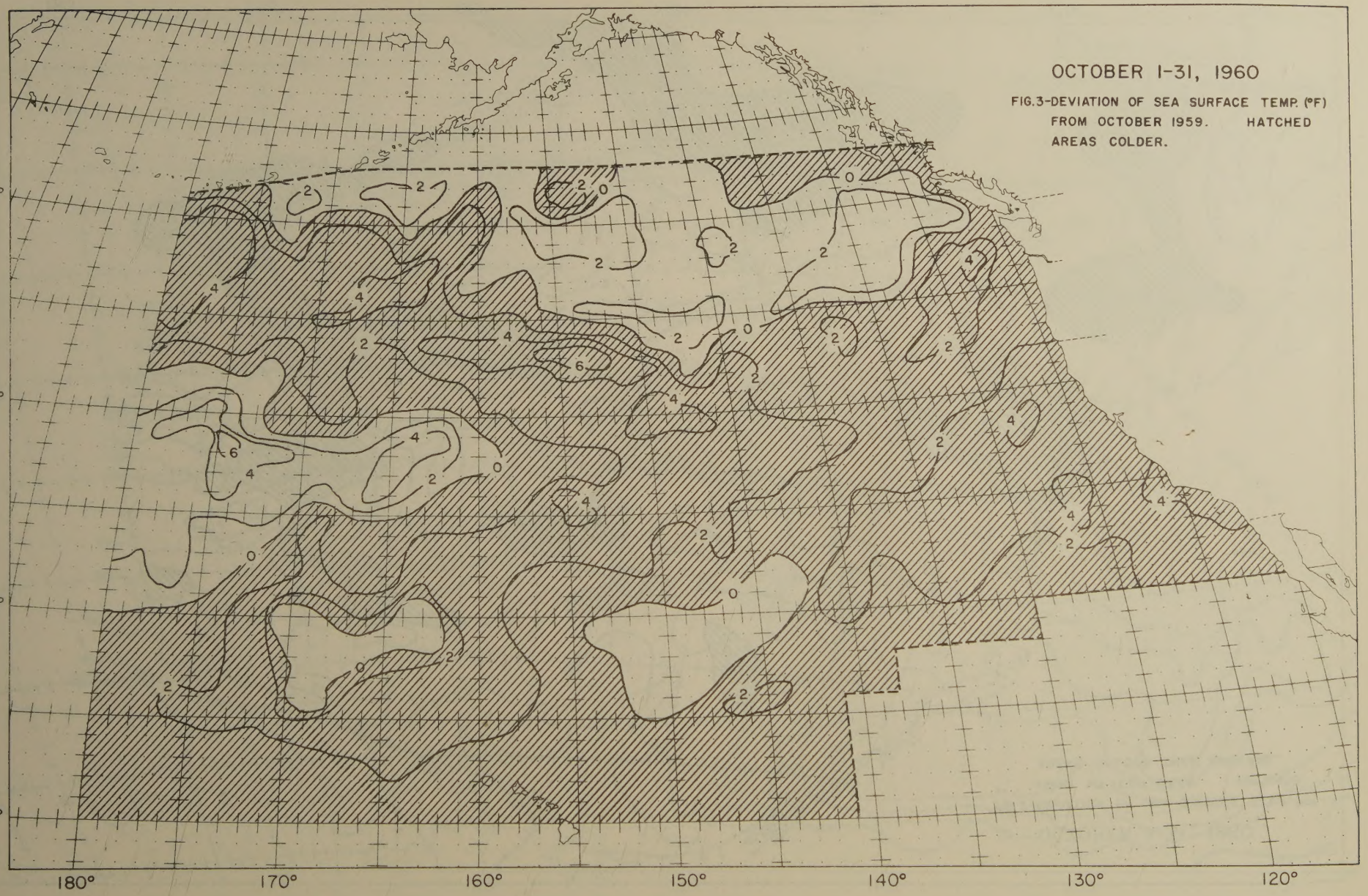
Figure 4.--Sea-surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal and light stations.

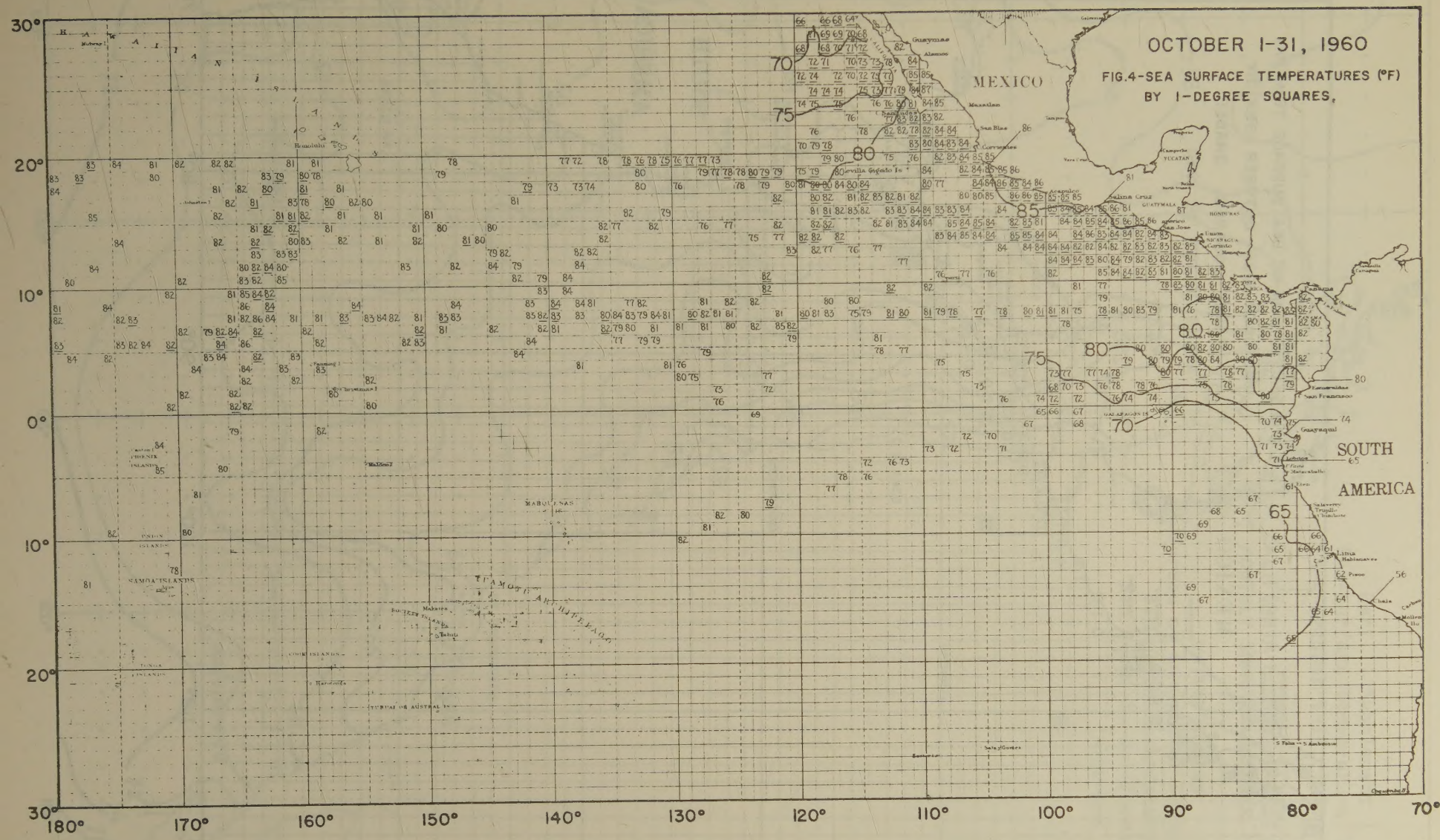
Figure 5.--Deviation of sea-surface temperatures (°F) October 1960-October 1959 by 1-degree squares. Shaded areas colder in 1960.

James H. Johnson, Chief
Tuna Forecasting Investigation


OCTOBER 1-31, 1960
FIG. 1-MEAN SEA SURFACE TEMPERATURES (°F)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


OCTOBER 1-31, 1960
FIG. 2-DEVIATION OF SEA SURFACE TEMP. (°F) FROM 30 YEAR MEAN. HATCHED AREAS COLDER THAN AVERAGE.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


OCTOBER 1-31, 1960
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM OCTOBER 1959. HATCHED AREAS COLDER.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


OCTOBER 1-31, 1960
FIG.4-SEA SURFACE TEMPERATURES (°F)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
30°
20°
10°
0°
10°
20°
30°
180°
170°
160°
150°
140°
130°
120°
110°
100°
90°
80°
70°

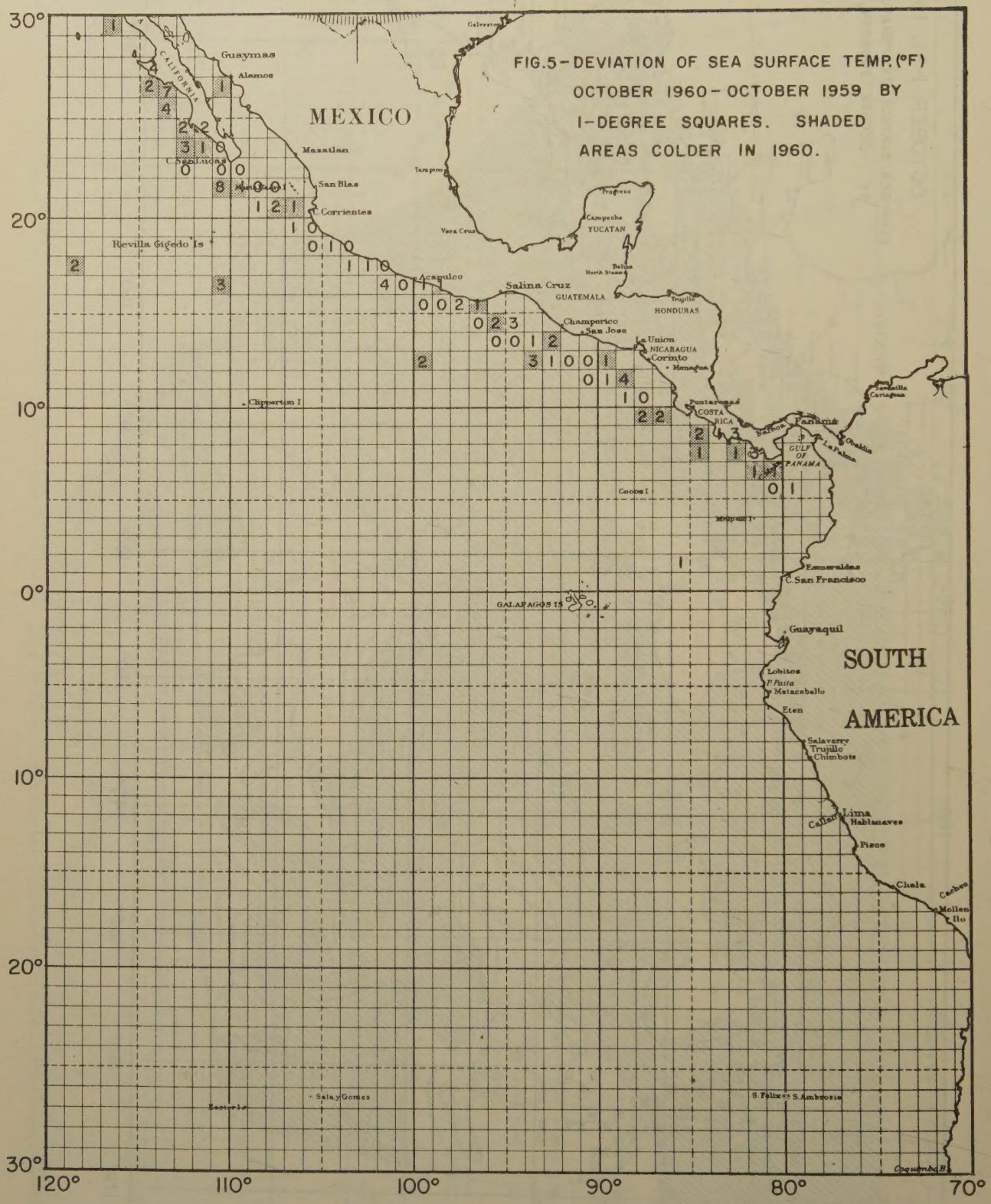
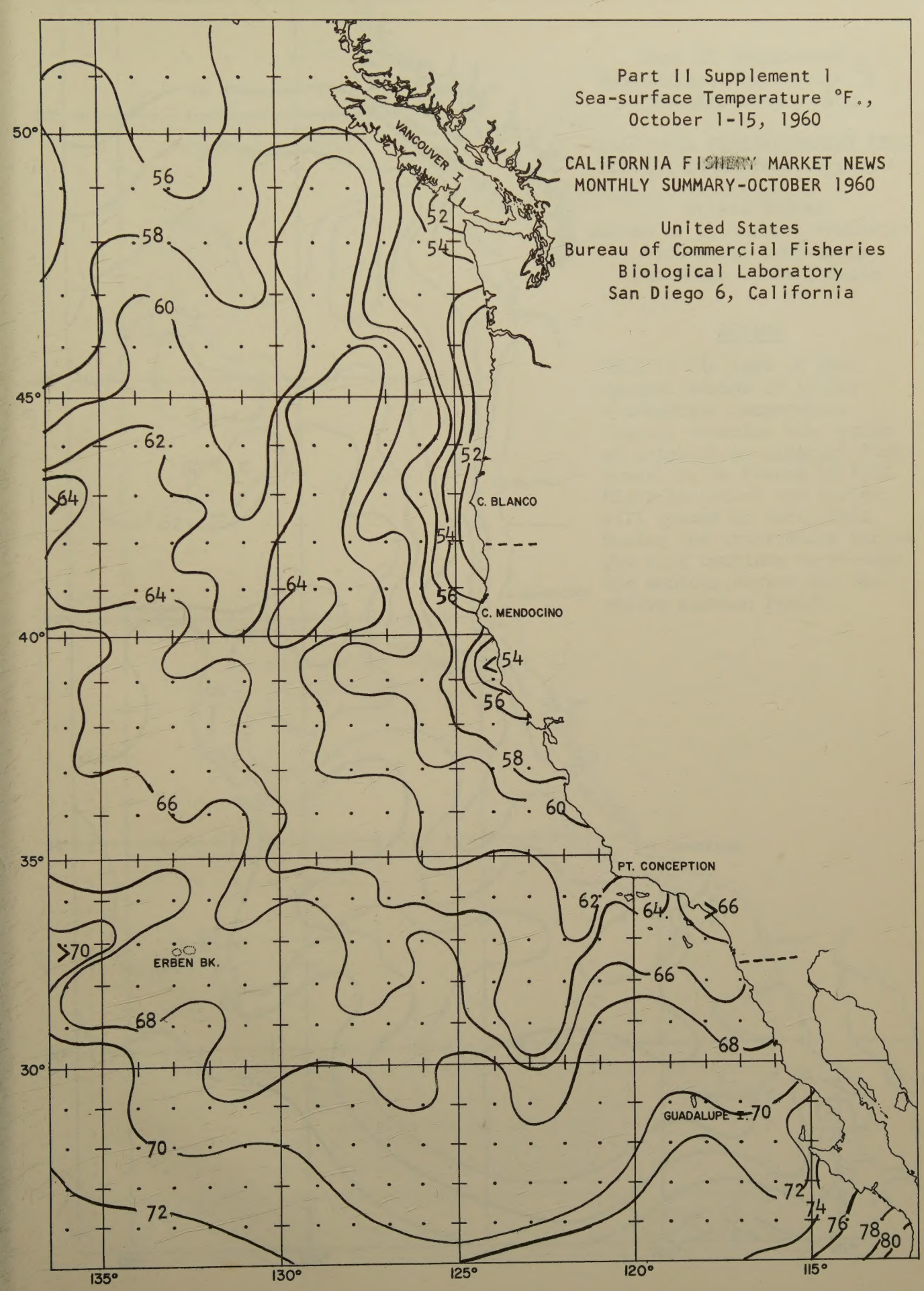
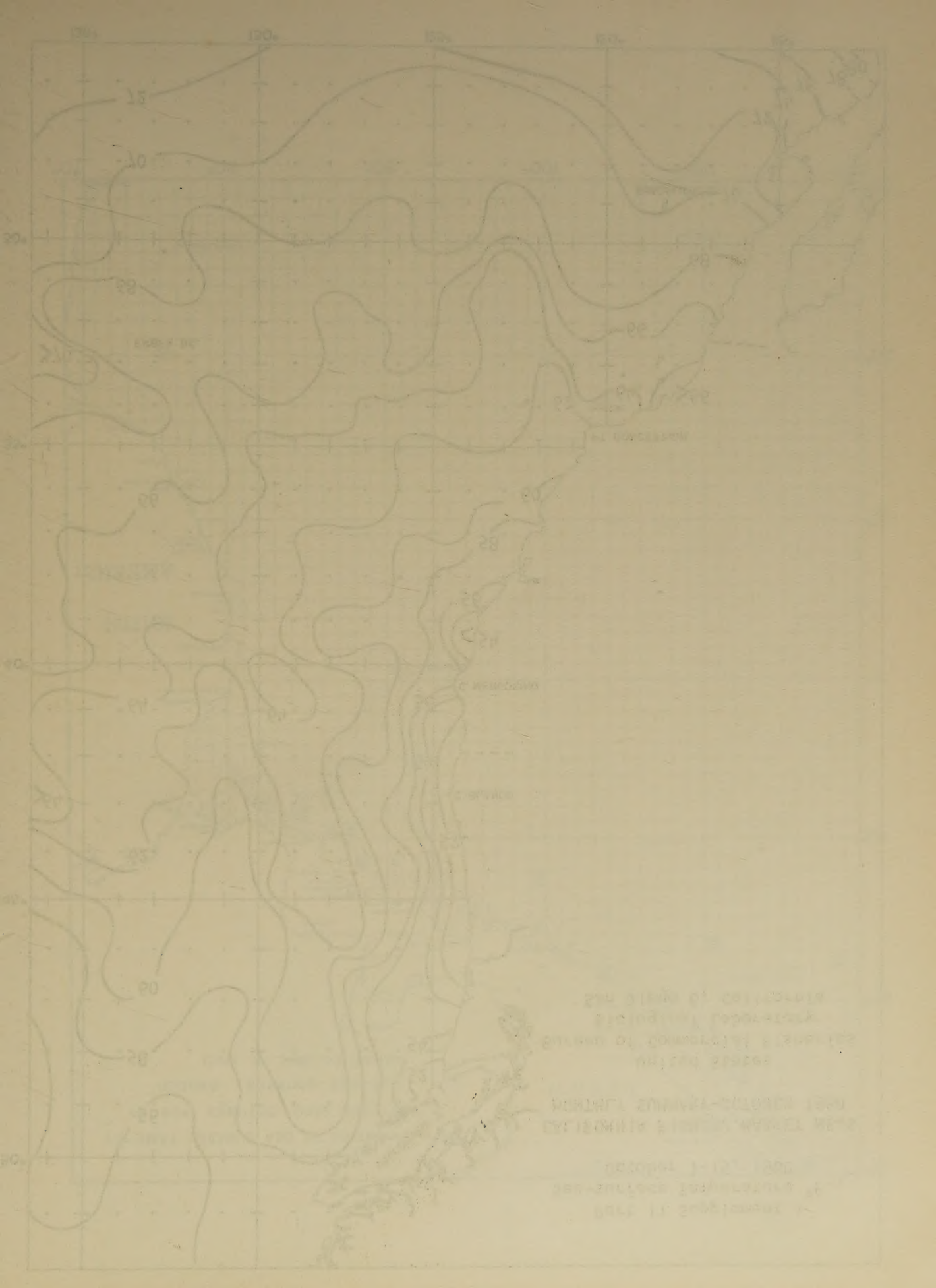
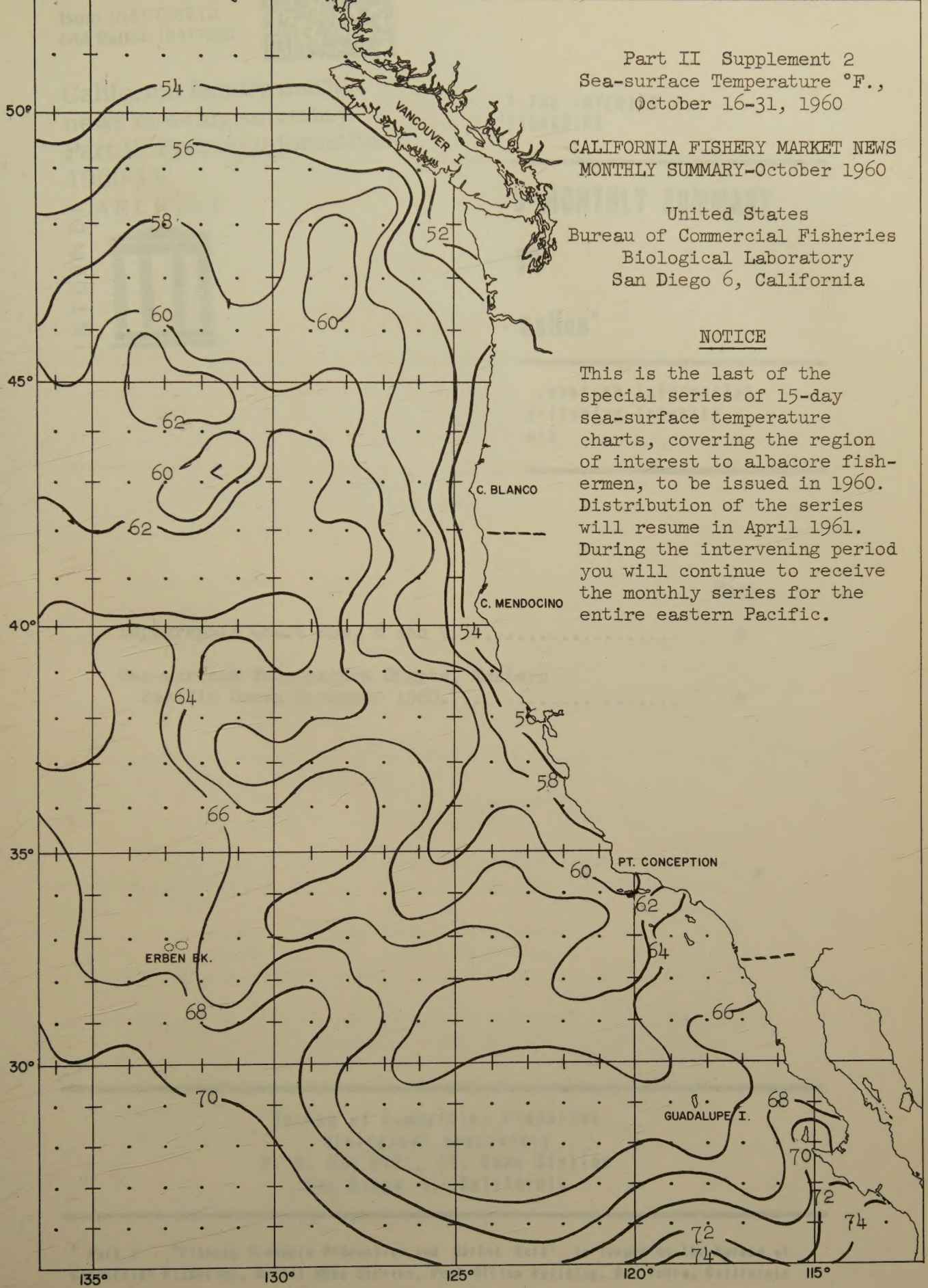


FIG.5-DEVIATION OF SEA SURFACE TEMP.(°F)
OCTOBER 1960-OCTOBER 1959 BY
1-DEGREE SQUARES. SHADED
AREAS COLDER IN 1960.
MEXICO
SOUTH
AMERICA
Guaymas
Alamos
Mazatlan
San Blas
Corrientes
Revilla Gigedo Is
Acapulco
Salina Cruz
GUATEMALA
HONDURAS
Champerico
San Jose
La Union
NICARAGUA
Corinto
Managua
Clipperton I
COSTA RICA
Panama
GULF OF PANAMA
Cocos I
Malpelo I
Esmeraldas
C. San Francisco
GALAPAGOS IS
Guayaquil
Lobitos
P. Pariña
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Huacho
Pisco
Chala
Caraveli
Mollendo
Salas y Gomez
S. Felix
S. Ambrosio
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°


Part II Supplement 1
Sea-surface Temperature °F.,
October 1-15, 1960
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY-OCTOBER 1960
United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California
VANCOUVER I.
C. BLANCO
C. MENDOCINO
PT. CONCEPTION
ERBEN BK.
GUADALUPE I.
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°
56
58
60
62
64
66
68
70
72
74
76
78
80
52
54
>64
>66
>70





Part II Supplement 2
Sea-surface Temperature °F.,
October 16-31, 1960

CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY-October 1960

United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California

NOTICE

This is the last of the special series of 15-day sea-surface temperature charts, covering the region of interest to albacore fishermen, to be issued in 1960. Distribution of the series will resume in April 1961. During the intervening period you will continue to receive the monthly series for the entire eastern Pacific.

C. BLANCO
C. MENDOCINO
PT. CONCEPTION
CABRILLO PT.
SAN CLEMENTE I.
SANTA CATALINA I.
SAN NICOLAS I.
50°
46°
40°
34°
30°
130°
125°
120°
115°